

I claim:

1. A device for delivering an expandable prosthesis in a body lumen comprising:
an elongate body having a distal end a lumen therethrough; and
an expandable sheath releasably attached to the distal end of the body, the sheath
5 having a distal opening and a lumen therethrough, the sheath further configured to receive an
expandable prosthesis.

2. The sheath of claim 1 wherein the releasable attachment comprises an adhesive
calibrated to detach from the elongate body when a sufficient expansion force is applied to the
sheath by the expandable prosthesis.

3. The sheath of claim 1 wherein the releasable attachment comprises a
circumferential perforation configured to detach from the elongate body when a sufficient
expansion force is applied to the sheath by the expandable prosthesis.

4. The sheath of claim 1 further comprising perforations to allow blood porosity and
to enhance distensability.

5. The expandable prosthesis of claim 1 comprising a stent.

6. The expandable prosthesis of claim 1 comprising a coil.

7. The sheath of claim 1 further comprising perforations to allow blood porosity and
to enhance distensability.

8. A detachable prosthesis cover comprising:

20 a tubular member; and
a generally tubular sheath having a lumen therethrough and a proximal region of
the sheath circumferentially surrounding a distal end of the tubular member, the sheath
configured to capture a prosthesis delivered into the lumen and separate from the tubular
member.

9. The prosthesis of claim 7 comprising a stent.

10. The expandable prosthesis of claim 7 comprising a coil.

